

Appendix I

Population and Growth Trends in the Cape Fear River Basin

Population and Growth Trends

Below are three different ways of presenting population data for the Cape Fear River basin. Population data presented by county allow for analysis of projected growth trends in the basin based on Office of State Planning information (April and May 2001). Data presented by municipality summarizes information on past growth of large urban areas in the basin. The data presented by subbasin allow for 2000 population data to be presented by subbasin. While the three different sets of information cannot be directly compared, general conclusions are apparent by looking at the information. Counties with the highest expected growth are associated with the largest municipal areas and the most densely populated subbasins in the basin.

County Population and Growth Trends

The following table and map show the projected population for 2020 and the change in growth between 1990 and 2020 for counties that are wholly or partly contained within the basin. Since river basin boundaries do not coincide with county boundaries, these numbers are not directly applicable to the Cape Fear River basin. This information is intended to present an estimate of expected population growth in counties that have some land area in the Cape Fear River basin. For more information on past, current and projected population estimates, contact the Office of State Planning at (919) 733-4131 or visit their website at <http://demog.state.nc.us/>.

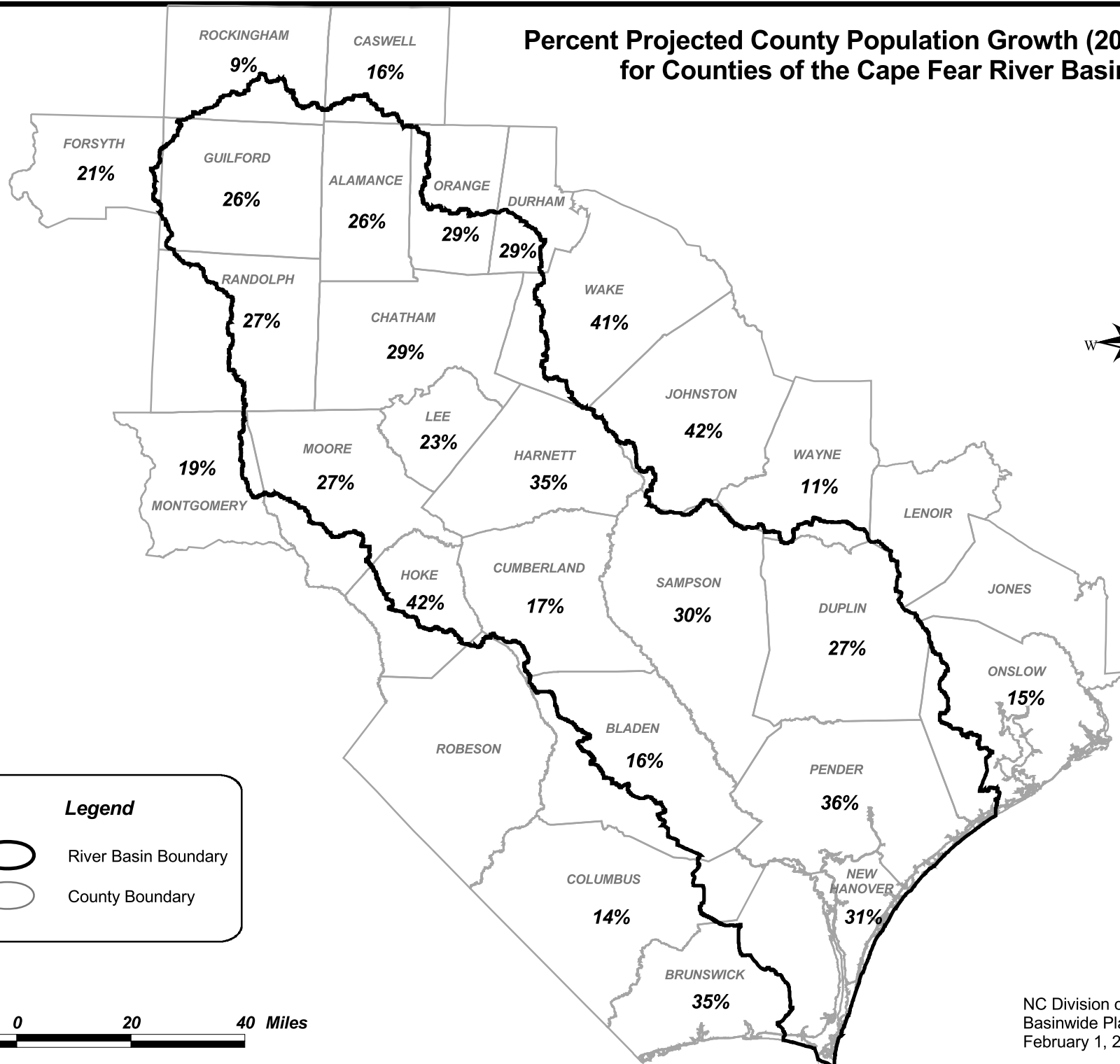
County	Percent of County in Basin *	1990	2000	Estimated % Growth 1990-2000	Estimated Population 2020	Estimated % Growth 2000-2020
Alamance	100	108,213	130,800	17.3	175,620	25.5
Bladen	69	28,663	32,278	11.2	38,274	15.7
Brunswick	45	50,985	73,143	30.3	112,885	35.2
Caswell	10	20,662	23,501	12.1	27,918	15.8
Chatham	100	38,979	49,329	21.0	69,137	28.7
Columbus	11	49,587	54,749	9.4	63,283	13.5
Cumberland	98	274,713	302,963	9.3	365,182	17.0
Duplin	100	39,995	49,063	18.5	67,447	27.3
Durham	27	181,844	223,314	18.6	312,144	28.5
Forsyth	2	265,855	306,067	13.1	385,079	20.5
Guilford	97	347,431	421,048	17.5	568,580	25.9
Harnett	100	67,833	91,025	25.5	140,902	35.4
Hoke	57	22,856	33,646	32.1	57,891	41.9
Johnston	2	81,306	121,965	33.3	210,178	42.0
Lee	100	41,370	49,040	15.6	64,038	23.4
Montgomery	6	23,359	26,822	12.9	33,247	19.3
Moore	79	59,000	74,769	21.1	102,828	27.3
New Hanover	100	120,284	160,307	25.0	233,681	31.4
Onslow	22	149,838	150,355	0.3	175,762	14.5

Orange	49	93,662	118,227	20.8	166,971	29.2
Pender	100	28,855	41,082	29.8	64,106	35.9
Randolph	56	106,546	130,454	18.3	178,852	27.1
Rockingham	19	86,064	91,928	6.4	100,414	8.5
Sampson	99	47,297	60,161	21.4	86,472	30.4
Wake	15	426,311	627,846	32.1	1,071,768	41.4
Wayne	9	104,666	113,329	7.6	127,945	11.4
Subtotals		2,866,174	3,557,211	19.4	5,000,604	28.9

◆ Source: North Carolina Center for Geographic Information and Analysis (CGIA), 1997.

Note: The numbers reported reflect county population; however, these counties are not entirely within the basin.
The intent is to demonstrate growth for counties located wholly or partially within the basin.

Percent Projected County Population Growth (2000-2020) for Counties of the Cape Fear River Basin



Municipal Population and Growth Trends

The table below presents population data from Office of State Planning for municipalities with populations greater than 2,000 persons, located wholly or partly within the basin. These data represent 53 of the 115 municipalities in the basin.

Municipality	County	Apr-80	Apr-90	Apr-2000	Percent Change (1980-90)	Percent Change (1990-2000)
Angier	Harnett	1,709	2,235	3,419	30.8	53.0
Apex •	Wake	2,847	4,789	20,212	68.2	322.1
Archdale •	Guilford, Randolph	5,326	6,975	9,014	31.0	29.2
Asheboro •	Randolph	15,252	16,362	21,672	7.3	32.5
Benson •	Johnston	2,792	3,044	2,923	9.0	-4.0
Boiling Spring Lakes •	Brunswick	998	1,650	2,972	65.3	80.1
Burgaw	Pender	1,738	2,099	3,337	20.8	59.0
Burlington	Alamance	37,266	39,498	44,917	6.0	13.7
Carolina Beach	New Hanover	2,000	3,630	4,701	81.5	29.5
Carrboro	Orange	7,336	12,134	16,782	65.4	38.3
Cary •	Chatham, Wake	21,763	44,397	94,536	104.0	112.9
Chapel Hill	Durham, Orange	32,421	38,711	48,715	19.4	25.8
Clinton	Sampson	7,552	8,385	8,600	11.0	2.6
Dunn	Harnett	8,962	8,556	9,196	-4.5	7.5
Durham •	Durham, Orange	101,149	136,612	187,035	35.1	36.9
Elizabethtown	Bladen	3,551	3,704	3,698	4.3	-0.2
Elon	Alamance	2,873	4,448	6,738	54.8	51.5
Erwin	Harnett	2,828	4,109	4,537	45.3	10.4
Fayetteville	Cumberland	59,507	75,850	121,015	27.5	59.5
Fuquay-Varina •	Wake	3,110	4,447	7,898	43.0	77.6
Gibsonville	Alamance, Guilford	2,865	3,445	4,372	20.2	26.9
Graham	Alamance	8,674	10,368	12,833	19.5	23.8
Green Level	Alamance	1,154	1,548	2,042	34.1	31.9
Greensboro	Guilford	155,642	183,894	223,891	18.2	21.8
High Point •	Davidson, Forsyth, Guilford, Randolph	63,479	69,428	85,839	9.4	23.6
Holly Springs •	Wake	688	1,024	9,192	48.8	797.7
Hope Mills	Cumberland	5,412	8,272	11,237	52.8	35.8
Jamestown	Guilford	2,148	2,662	3,088	23.9	16.0
Kernersville •	Forsyth, Guilford	5,875	10,899	17,126	85.5	57.1
Liberty	Randolph	1,997	2,047	2,661	2.5	30.0

Lillington	Harnett	1,948	2,048	2,915	5.1	42.3
Mebane	Alamance, Orange	2,782	4,754	7,284	70.9	53.2
Morrisville •	Durham, Wake	251	1,489	5,208	493.2	249.8
Mount Olive •	Duplin, Wayne	4,876	4,582	4,567	-6.0	-0.3
Oak Ridge	Guilford	-----	2,322	3,988	-----	71.7
Pinehurst •	Moore	1,746	5,091	9,706	191.6	90.7
Pittsboro	Chatham	1,332	1,621	2,226	21.7	37.3
Pleasant Garden	Guilford	-----	3,921	4,714	-----	20.2
Raeford •	Hoke	3,630	3,469	3,386	-4.4	-2.4
Randleman •	Randolph	2,156	2,612	3,557	21.2	36.2
Reidsville •	Rockingham	12,492	12,183	14,485	-2.5	18.9
Sanford	Lee	14,773	14,755	23,220	-0.1	57.4
Siler City	Chatham	4,446	4,808	6,966	8.1	44.9
Southern Pines •	Moore	8,620	9,213	10,918	6.9	18.5
Southport	Brunswick	2,824	2,369	2,351	-16.1	-0.8
Spring Lake	Cumberland	6,273	7,524	8,098	19.9	7.6
Stokesdale •	Guilford	1,973	2,134	3,267	8.2	53.1
Summerfield	Guilford	-----	1,687	7,018	-----	316.0
Wallace	Duplin, Pender	2,903	2,939	3,344	1.2	13.8
Warsaw	Duplin	2,910	2,859	3,051	-1.8	6.7
Whispering Pines	Moore	1,160	1,346	2,090	16.0	55.3
Wilmington	New Hanover	44,000	55,530	75,838	26.2	36.6
Wrightsville Beach	New Hanover	2,910	2,937	2,593	0.9	-11.7

- - The numbers reported reflect municipality population; however, these municipalities are not entirely within the basin. The intent is to demonstrate growth for municipalities located wholly or partially within the basin.

Basin Population and Population Density

Information on population density at a watershed scale is useful in determining what streams are likely to have the most impacts as a result of population growth. This information is also useful in identifying stream segments that have good opportunities for preservation or restoration. This information is presented to estimate population and population density by each subbasin and for the entire basin. It is assumed that county populations are distributed evenly throughout each county; therefore, subbasins that are within counties with large urban areas may overestimate the actual population in that portion of the basin. The overall population of the basin based on 2000 Census data is 1,834,545, with approximately 197 persons/square mile. Population density estimated by subbasin is presented in the following map.

8-Digit Hydrologic Units in the Cape Fear River Basin and Population Density by Subbasin

